

## General Protocol Incubators

1. Temperature **Range 5° C above ambient to 75° C**
2. The temperature uniformity **+/-0.6° C at 37°C**
3. The temperature Stability should be **+/-0.2° C**
4. The temperature deviation over time should not be more than **±0.2°C**
5. The air circulation inside the chamber should be Gravity convection
6. The incubator should have internal glass door for easy viewing of samples with disturbing internal environment.
7. The unit's chamber capacity should be approximately 100 Liters
8. The incubator should provide automatic over temperature alarm
9. The interiors surface should be made from **AISI 430 / 1.4016 grade** Stainless Steel.
10. The chamber should have rounded corners to for easy of cleaning and to avoid contamination
11. **The shelf system should be easy to fit and remove with just one click**
12. The user interface should be microprocessor controlled and should be a **large vacuum fluorescent display**
13. The units should be **stackable without the need for using tools**
14. 2 shelves should be included as standard and should have provision of accommodating a **maximum of 13 shelves** (depending on size)
15. The shelf should be capable of carrying a load of 25 kg
16. **The foot print should not be more than 0.36m<sup>2</sup>**
17. The units should be able to operate at 230V / 50 hz.
18. The units should have optional accessories like support stand for raising the elevation of unit from the floor, wire mesh shelf and Perforated Stainless Steel Shelf
19. The Incubator should have **RS 232 Interface** to be able to data log the system parameter with third party software
20. The incubator should be covered with **2 years warranty**